AMENDMENT TO THE CLAIMS

Please cancel claims 5, 12, and 19, without prejudice or disclaimer.

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

1. (currently amended) A method for determining desired physical locations of reference points for use in identifying geographic locations of mobile terminals in an area of interest ~~in~~ within a wireless network, the method comprising:

inputting information pertaining to a plurality of reference terminals in the wireless network, the information including respective location information for each of the reference terminals; ~~and~~

generating, based on the input information, a visual display illustrating the locations of the reference terminals, along with a visual indication representing expected ~~accuracy~~ levels of precision in geo-location calculations for determining respective geographic locations of the mobile terminals in the wireless network; and

analyzing the levels of precision in the area of interest to update the visual display with the location information of the reference terminals and the levels of precision in geo-location calculations for determining respective geographic locations of the mobile terminals.

2. (currently amended) The method as claimed in claim 1, wherein:

the input information includes map parameters; and

the generating step generates the visual display which includes a map display that is generated based on the map parameters with the respective locations of the reference terminals and the visual indication of expected ~~accuracy~~ levels of precision being included on the map display.

3. (currently amended) The method as claimed in claim [[1]] 2, wherein:

the information includes respective longitude, latitude and altitude information of each of the respective reference terminals; and

the ~~visual~~ map display of the locations of the reference terminals is generated based on the longitude, latitude and altitude information.

4. (currently amended)The method as claimed in claim [[1]] 2, wherein:

the information includes signal propagation information indicating respective maximum distances at which signals emitted from the respective reference terminals can propagate; and

wherein the ~~visual indication~~ map display indicating ~~representing~~ the expected ~~accuracy~~ levels of precision in geo-location calculations is generated based on the signal propagation information.

5. (canceled)

6. (currently amended) The method as claimed in claim 1, wherein:

the wireless network includes an ad-hoc peer-to-peer wireless network, [[and]] wherein the reference terminals comprise fixed nodes, and wherein the mobile terminals [[are]] comprise ~~fixed and~~ mobile nodes, ~~respectively,~~ in the ad-hoc peer-to-peer wireless network.

7. (Original) The method as claimed in claim 1, wherein:

the inputting step includes inputting the information via a computer; and

the generating step generates the visual display on a display screen of a computer.

8. (currently amended) A computer-readable medium of instructions, ~~adapted to~~ for controlling a device to determine desired physical locations of reference points for use in identifying geographic locations of mobile terminals in an area of interest ~~in~~ within a wireless network, the computer-readable medium of instructions comprising:

a first set of instructions, ~~adapted to~~ for controlling the device to receive information pertaining to a plurality of reference terminals in the wireless network, the information including respective location information for each of the reference terminals; ~~and~~

a second set of instructions, ~~adapted to~~ for controlling the device to generate, based on the input information, a visual display illustrating the locations of the reference terminals[[,]];

a third set of instructions, for identifying the ~~along with a visual indication~~ representing expected ~~accuracy~~ levels of precision in geo-location calculations for determining respective geographic locations of the mobile terminals in the wireless network; and

a fourth set of instructions, for updating the visual display with the location information of the reference terminals and the expected levels of precision in geo-location calculations for determining respective geographic locations of the mobile terminals in the network.

9. (currently amended) The computer-readable medium of instructions as claimed in claim 8, wherein:

the input information includes map parameters; and

the second set of instructions controls the device to generate the visual display which includes a map display that is generated based on the map parameters with the respective locations of the reference terminals and the visual indication of expected ~~accuracy~~ levels of precision being included on the map display.

10. (Original) The computer-readable medium of instructions as claimed in claim 8, wherein:

the information includes respective longitude, latitude and altitude information of each of the respective reference terminals; and

the second set of instructions controls the device to generate the visual display of the locations of the reference terminals based on the longitude, latitude and altitude information.

11. (currently amended) The computer-readable medium of instructions as claimed in claim 8, wherein:

the information includes signal propagation information indicating respective maximum distances at which signals emitted from the respective reference terminals can propagate; and

the second set of instructions controls the device to generate the visual indication representing the expected ~~accuracy~~ levels of precision in geo-location calculations based on the signal propagation information.

12. (canceled)

13. (currently amended)The computer-readable medium of instructions as claimed in claim 8, wherein:

the wireless network includes an ad-hoc peer-to-peer wireless network, ~~and~~ wherein the reference terminals comprise fixed nodes, and wherein the mobile terminals ~~are fixed and~~ comprise mobile nodes, ~~respectively,~~ in the ad-hoc peer-to-peer wireless network.

14. (Original)The computer-readable medium of instructions as claimed in claim 8, wherein:

the device includes a computer;

the first set of instructions controls the computer to receive the information; and

the second set of instructions controls the computer to generate the visual display on a display screen of the computer.

15. (currently amended) A geo-location analysis system for determining desired physical locations of reference points for use in identifying geographic locations of mobile terminals in an area of interest ~~in~~ within a wireless network, the system comprising:

an input device, ~~adapted to~~ designed to input information pertaining to a plurality of reference terminals in the wireless network, the information including respective location information for each of the reference terminals; and

a processor, ~~adapted~~ designed to generate, based on the input information, a visual display illustrating the locations of the reference terminals, along with a visual indication representing expected ~~accuracy~~ levels of precision in geo-location calculations for determining respective geographic locations of the mobile terminals in the wireless network, and designed to analyze the levels of precision in the area of interest to update the visual display with the location information of the reference terminals and the levels of precision in geo-location calculations for determining respective geographic locations of the mobile terminals.

16. (currently amended) The system as claimed in claim 15, wherein:

the input information includes map parameters; and

the processor generates the visual display which includes a map display that is generated based on the map parameters with the respective locations of the reference terminals and the visual indication of expected levels of precision ~~accuracy~~ being included on the map display.

17. (Original) The system as claimed in claim 15, wherein:

the information includes respective longitude, latitude and altitude information of each of the respective reference terminals; and

the processor generates the visual display of the locations of the reference terminals is based on the longitude, latitude and altitude information.

18. (currently amended) The system as claimed in claim 15, wherein:

the information includes signal propagation information indicating respective maximum distances at which signals emitted from the respective reference terminals can propagate; and

the processor generates the visual indication representing the expected ~~accuracy~~ levels of precision in geo-location calculations based on the signal propagation information.

19. (canceled)

20. (currently amended)The system as claimed in claim 15, wherein:

the wireless network includes an ad-hoc peer-to-peer wireless network, [[and]] wherein the reference terminals comprise fixed nodes, and wherein the mobile terminals ~~are fixed and~~ comprise mobile nodes, ~~respectively,~~ in the ad-hoc peer-to-peer wireless network.

21. (currently amended)The system as claimed in claim 15, wherein:

the input includes an input device of a computer; and

the processor generates the visual display on a ~~display screen~~ device designed for visualizing information in a graphic manner ~~of the computer~~.